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SAFETY DATA SHEET

SECTION 1:Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Gentamycin Sulfate  
Product Number : G100392  
Brand : aladdin  
CAS-No. : 1405-41-0

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : 仅供科研用途，不作为药物、家庭备用药或其它用途。

1.3 Details of the supplier of the safety data sheet

Company : Shanghai Aladdin Biochemical Tech Co.,Ltd  
Address : 36 Xinjinqiao Road, Shanghai  
Telephone : 400-620-6333  
Fax : no data available

1.4 Emergency telephone number

Emergency Phone : 0532-83889090

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

2.2 GHS Label elements, including precautionary statements

Pictogram   
Signal word Danger  
Hazard statement(s)  
H317 May cause an allergic skin reaction  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
Precautionary statement(s)  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P342+P311 IF experiencing respiratory symptoms: Call a POISON CENTER/doctor/...

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

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**SECTION 3: Composition/information on ingredients****3.1 Substances**

Synonyms : Gentamicin sulfate salt  
Formula : C<sub>21</sub>H<sub>43</sub>N<sub>5</sub>O<sub>7</sub>·H<sub>2</sub>SO<sub>4</sub>  
Molecular weight : 575.67  
CAS No. : 1405-41-0  
EC-NO. : 215-778-9

| Component          | Classification    | Concentration                         |
|--------------------|-------------------|---------------------------------------|
| Gentamycin Sulfate |                   |                                       |
|                    | no data available | potency: ≥590 ug<br>Gentamicin per mg |

**SECTION 4: First aid measures****4.1 Description of first aid measures**

**General advice**  
no data available

**If inhaled**  
no data available

**In case of skin contact**  
no data available

**In case of eye contact**  
no data available

**If swallowed**  
no data available

**4.2 Most important symptoms and effects, both acute and delayed**

no data available

**4.3 Indication of any immediate medical attention and special treatment needed**

no data available

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing media**  
no data available

**Unsuitable extinguishing media**  
no data available

**5.2 Special hazards arising from the substance or mixture**

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no data available

**5.3 Advice for firefighters**

no data available

**5.4 Further information**

no data available

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

使用个人防护装备。避免粉尘生成。避免吸入蒸气、气雾或气体。保证充分的通风。避免吸入粉尘。

**6.2 Environmental precautions**

不要让产品进入下水道。

**6.3 Methods and materials for containment and cleaning up**

收集和处置时不要产生粉尘。扫掉和铲掉。放入合适的封闭的容器中待处理。

**6.4 Reference to other sections**

丢弃处理请参阅第13节。

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

避免接触皮肤和眼睛。避免形成粉尘和气溶胶。在有粉尘生成的地方,提供合适的排风设备。

**7.2 Conditions for safe storage, including any incompatibilities**

使容器保持密闭,储存在干燥通风处。建议的贮存温度2-8°C

**7.3 Specific end use(s)**

no data available

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**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**8.2 Exposure controls**

**Appropriate engineering controls**

根据工业卫生和安全使用规则来操作。休息以前和工作结束时洗手。

**Personal protective equipment**

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**Eye/face protection**

面罩與安全眼鏡請使用經官方標準如NIOSH (美國) 或 EN 166(歐盟) 檢測與批准的設備防護眼部。

**Skin protection**

使用前必須檢查手套。請使用正確的方法取下手套（請勿觸摸手套的外表面），並避免任何皮膚部位接觸產品。使用後，請按照相關法律法規和有效的實驗室規程和程序小心操作被污染的手套。請清潔並吹干為您的手選擇的防護手套，必須符合法規（EU）2016/425中給出的規格以及由此衍生的EN 374標準。

**Body Protection**

防滲透的衣服, 阻燃防靜電防護服, 防護設備的類型必須根據特定工作場所中的危險物的濃度和含量來選擇。

**Respiratory protection**

如危險性評測顯示需要使用空氣淨化的防毒面具，請使用全面罩式多功能防毒面具（US）或ABEK型（EN 14387）防毒面具筒作為工程控制的候補。如果防毒面具是保護的唯一方式，則使用全面罩式送風防毒面具。呼吸器使用經過測試並通過政府標準如NIOSH（US）或CEN（EU）的呼吸器和零件。

**Control of environmental exposure**

no data available

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|                                                 |                         |
|-------------------------------------------------|-------------------------|
| a) Appearance                                   | no data available       |
| b) Odour                                        | no data available       |
| c) Odour Threshold                              | no data available       |
| d) pH                                           | no data available       |
| e) Melting point/freezing point                 | 218-237°C               |
| f) Initial boiling point and boiling range      | no data available       |
| g) Flash point                                  | no data available       |
| h) Evaporation rate                             | no data available       |
| i) Flammability (solid, gas)                    | no data available       |
| j) Upper/lower flammability or explosive limits | no data available       |
| k) Vapour pressure                              | no data available       |
| l) Vapour density                               | no data available       |
| m) Relative density                             | 1.000 g/cm <sup>3</sup> |
| n) Water solubility                             | no data available       |
| o) Partition coefficient: n-octanol/water       | no data available       |
| p) Auto-ignition temperature                    | no data available       |
| q) Decomposition temperature                    | no data available       |
| r) Viscosity                                    | no data available       |
| s) Explosive properties N                       | no data available       |
| t) Oxidizing properties N                       | no data available       |

**9.2 Other safety information**

no data available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

在建議的貯存條件下是穩定的。

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**10.2 Chemical stability**

在建议的贮存条件下是稳定的

**10.3 Possibility of hazardous reactions**

no data available

**10.4 Conditions to avoid**

强氧化剂

**10.5 Incompatible materials**

在着火情况下，会分解生成有害物质。 - 产品分解后性质不明

**10.6 Hazardous decomposition products**

no data available

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**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

此产品中沒有大于或等于0.1%含量的组分被IARC鉴别为可能的或肯定的人类致癌物。

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Additional Information**

no data available

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SECTION 12: Ecological information

|      |                                    |
|------|------------------------------------|
| 12.1 | Toxicity                           |
|      | no data available                  |
| 12.2 | Persistence and degradability      |
|      | no data available                  |
| 12.3 | Bioaccumulative potential          |
|      | no data available                  |
| 12.4 | Mobility in soil                   |
|      | no data available                  |
| 12.5 | Results of PBT and vPvB assessment |
|      | no data available                  |
| 12.6 | Other adverse effects              |
|      | no data available                  |

SECTION 13:

|      |                                                                               |
|------|-------------------------------------------------------------------------------|
| 13.1 | Disposal considerations                                                       |
|      | <b>Product</b><br>将剩余的和不可回收的溶液交给有许可证的公司处理。与易燃溶剂相溶或者相混合，在备有燃烧后处理和洗刷作用的化学焚化炉中燃烧 |
|      | <b>Contaminated packaging</b><br>作为未用过的产品弃置。                                  |

SECTION 14: Transport information

|                                                                                                            |                                                                |                                               |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------|
| <b>DOT (US)</b><br>UN number: no data available<br>Proper shipping name: 非危险货物<br>Environmental Hazards: 否 | Packing group: -<br>Reportable Quantity(RQ): no data available | Class: -<br>Poison Inhalation Hazard: no data |
| <b>IMDG</b><br>UN number: no data available<br>Proper shipping name: 非危险货物                                 | Packing group: -                                               | EMS-No: no data available                     |
| <b>IATA</b><br>UN number: no data available<br>Proper shipping name: 非危险货物                                 | Packing group: -                                               | Class: -                                      |

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#### SECTION 15: Regulatory information

no data available

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#### SECTION 16: Other information

##### Further information

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